

Brain Prostheses: Tissue Integration & Compatibility

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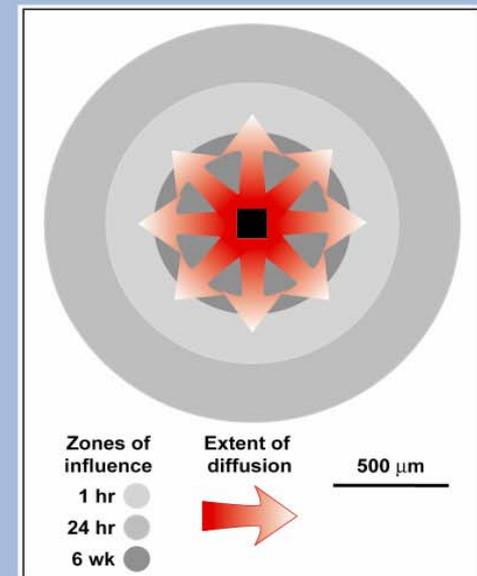
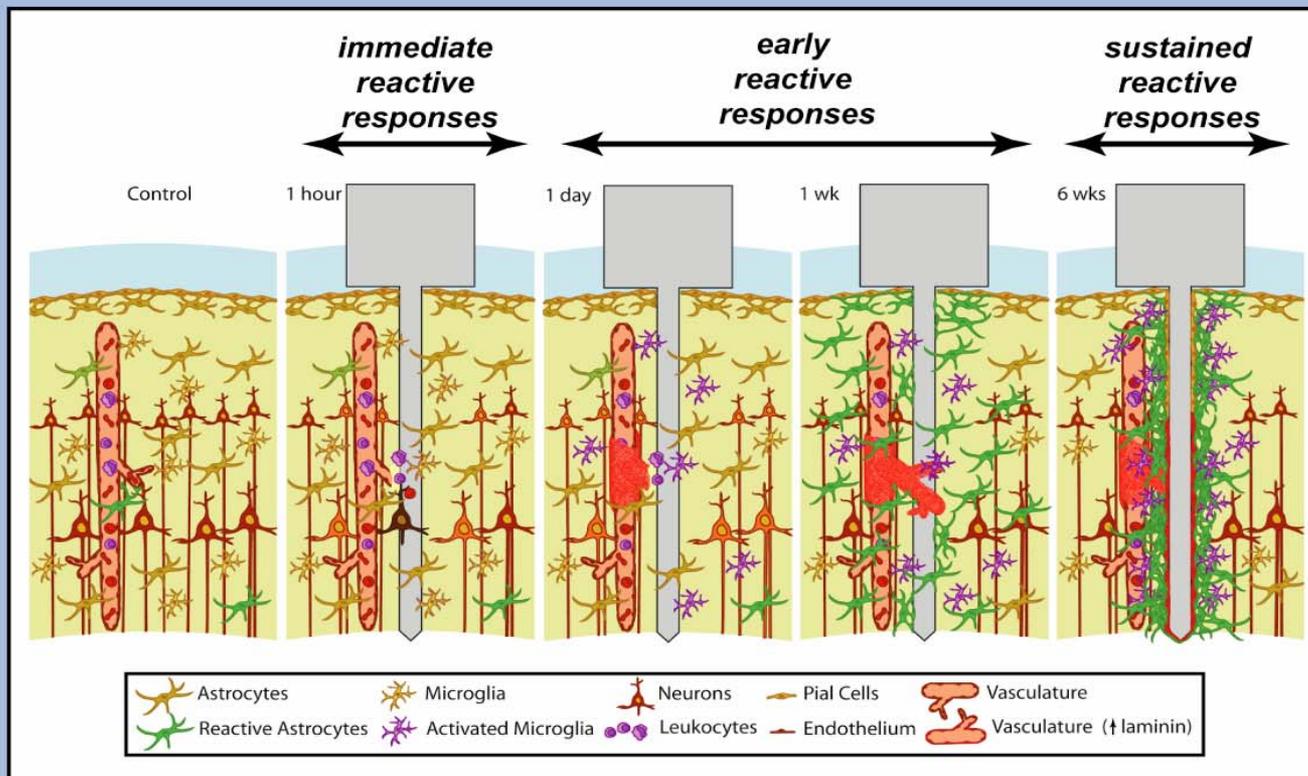
Collaborators:

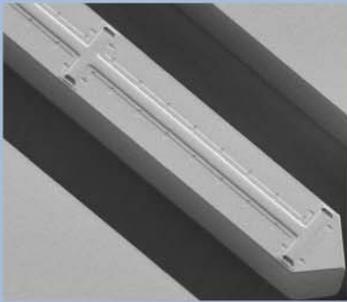
Rensselaer Polytechnic
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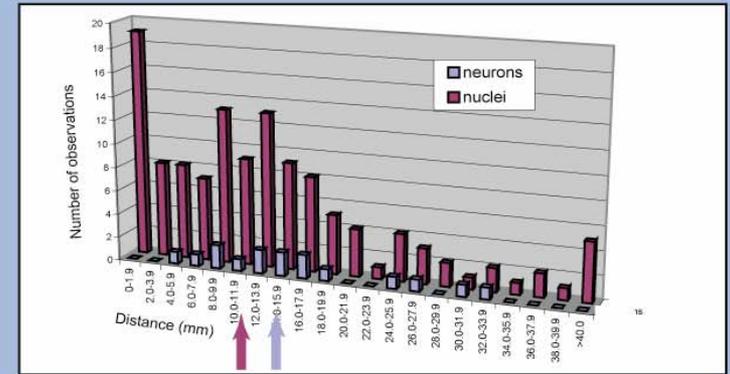
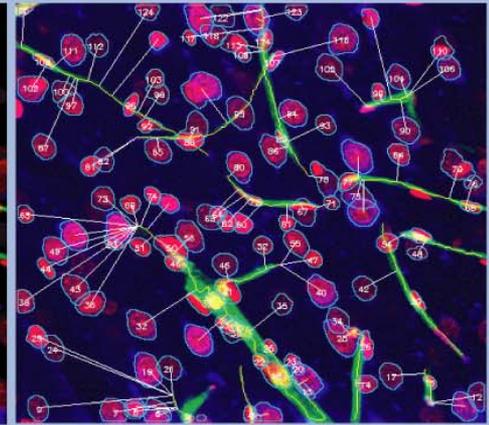
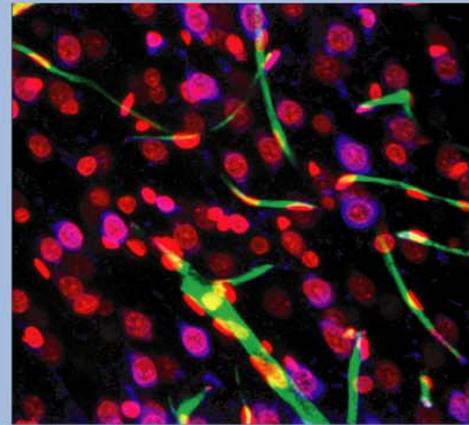
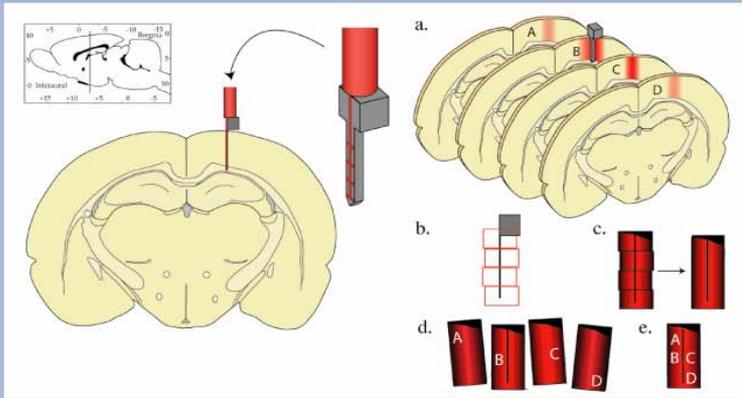
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General Hypothesis: Successful, long-term function of microfabricated neural prosthetic devices requires controlling biological reactive responses produced by insertion and continued presence of devices

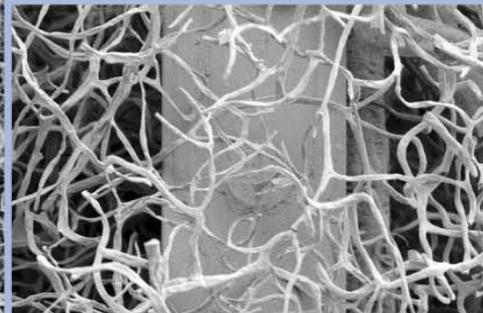




New methods and devices for intervention strategies to control reactive biological responses



New methods to describe and measure reactive biological responses



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**Brain
Prostheses:
Tissue
Integration &
Compatibility**



**NINDS, R01,
Brain Prostheses:
Promoting High
Neuron
Connectivity**

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Drug Delivery for
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